

Title (en)
SYSTEMS, DEVICES, AND METHODS FOR DELIVERY OF PULSED ELECTRIC FIELD ABLATIVE ENERGY TO ESOPHAGEAL TISSUE

Title (de)
SYSTEME, VORRICHTUNGEN UND VERFAHREN ZUR ABGABE VON ABLATIVER ENERGIE AUS GEPULSTEM ELEKTRISCHEM FELD AN SPEISERÖHRENGEWEBE

Title (fr)
SYSTÈMES, DISPOSITIFS ET PROCÉDÉS D'ADMINISTRATION D'UNE ÉNERGIE D'ABLATION À CHAMP ÉLECTRIQUE PULSÉ SUR DES TISSUS DE L' ESOPHAGE

Publication
EP 3456278 A3 20190619 (EN)

Application
EP 18170210 A 20180430

Priority
US 201762492032 P 20170428

Abstract (en)
Systems, devices, and methods for electroporation ablation therapy are disclosed in the context of esophageal ablation. An ablation device may include a first catheter defining a longitudinal axis and a lumen therethrough. A balloon may be coupled to the first catheter. The balloon may be configured to transition between a deflated configuration and an inflated configuration. A second catheter may extend from a distal end of the first catheter lumen. A set of splines including electrodes formed on a surface of each of the splines may couple to the distal end of the first catheter lumen and a distal portion of the second catheter. The second catheter may be configured for translation along the longitudinal axis to transition the set of splines between a first configuration and a second configuration.

IPC 8 full level
A61B 18/00 (2006.01); **A61N 1/05** (2006.01); **A61N 1/32** (2006.01)

CPC (source: EP US)
A61B 18/1206 (2013.01 - US); **A61B 18/1492** (2013.01 - EP US); **A61N 1/0517** (2013.01 - EP); **A61N 1/327** (2013.01 - EP US); **A61N 1/37247** (2013.01 - US); **A61N 1/37258** (2013.01 - US); **A61B 2017/00154** (2013.01 - EP US); **A61B 2018/0016** (2013.01 - EP US); **A61B 2018/00267** (2013.01 - EP US); **A61B 2018/00285** (2013.01 - EP US); **A61B 2018/00488** (2013.01 - EP US); **A61B 2018/00577** (2013.01 - US); **A61B 2018/00613** (2013.01 - EP US); **A61B 2018/1472** (2013.01 - EP US); **A61B 2218/002** (2013.01 - EP US); **A61B 2218/007** (2013.01 - EP US); **A61N 1/37247** (2013.01 - EP); **A61N 1/37258** (2013.01 - EP)

Citation (search report)
• [XAYI] US 2017105793 A1 20170420 - CAO HONG [US], et al
• [Y] US 2004082859 A1 20040429 - SCHAER ALAN [US]
• [Y] US 2015157402 A1 20150611 - KUNIS CHRISTOPHER G [US], et al
• [Y] WO 2016090175 A1 20160609 - METAVENTION INC [US]

Cited by
EP3919015A1; US11547471B2; US11832869B2; US10702337B2; US10939958B2; US11369433B2; WO2023140730A1; US11896298B2; US11786300B2; US11832785B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10617867 B2 20200414; **US 2018311497 A1 20181101**; EP 3456278 A2 20190320; EP 3456278 A3 20190619; EP 3456278 B1 20210915; EP 3998029 A1 20220518; US 11833350 B2 20231205; US 2020398050 A1 20201224; US 2024050741 A1 20240215

DOCDB simple family (application)
US 201815965564 A 20180427; EP 18170210 A 20180430; EP 21196344 A 20180430; US 202016834135 A 20200330; US 202318494618 A 20231025